

*Examination 2nd & 3rd Copy*

AN 124:275964 HCA  
TI Highly mechanically strong and electrically conductive copper-tin  
-**phosphorus**-based alloy  
IN Hatano, Takatsugu  
PA Nippon Mining Co Ltd, Japan  
SO Jpn. Kokai Tokkyo Koho, 6 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07331363	A2	19951219	JP 1994-120359	19940601
AB	The alloy contains <b>Sn</b> 0.8-4, <b>P</b> 0.01-0.4, <b>Ni</b> 0.05-1, <b>Zn</b> 0.01-3, <b>S</b> .ltoreq.0.0010 wt.%, and <b>balance Cu</b> , optionally contg. 0.001-1 wt.% .gtoreq.1 element selected from Ti, Zr, Cr, Mg, Mn, <b>Fe</b> , Co, Al, Be, Si, and B. The alloy shows av. crystal grain size .ltoreq.15 .mu.m after final recrystn. and annealing. The alloy is useful for elec. conductive springs. The alloy showed high mech. strength and good corrosion and heat resistance.				